1:Lipkind E-5 (1937) 1948 SP9 Caraja SP9

ARCHEOLOGY

172 Large circular hollows in the ground are found at various points in *Carajá* territory, always in the close vicinity of a stream. By tradition these are ancient cemeteries; of old, they say, people did not mourn at a funeral but held a feast in the hollow. One of these hollows located on the height above the river bank at Fontoura is 18 m. (about 58 ft.) long, 15 m. (about 50 ft.) wide, and 1½ m. (5 ft.) deep at its center. The mound forming the northern side was excavated, disclosing two lines of burials with associated pottery, bone labrets, and beads.

The pottery is very similar to modern *Carajá* pottery and the labrets are exactly like those now in the possession of the *Carajá*. The cemetery cannot, however, definitely be identified as *Carajá*. The present-day *Carajá* cemetery is different in location and ground plan. There is now secondary urn burial, and in the first burial the bodies are laid at right angles to the river rather than parallel as were those disclosed by the excavation. Still, the remains show even less resemblance to the *Ge* and *Tupí* peoples in the neighborhood. The question must be left open for further archeological study.

[764]

HISTORY

648 175 Since the earliest times, the *Carajá* have been at war with their *Ge* and *Tupí* neighbors. The sole exception is the *Tapirapé*, with whom at one time the *Javahé* maintained close and friendly relations. The *Shambioá* were the first to come in contact with the Neo-Brazilians early in the 17th century. Contact with the *Carajá* proper must have begun shortly after the founding of Santa Anna by Bartholomeu Bueno in 1682. The *Carajá* are on good terms with the Neo-Brazilians, trading skins and fish for clothing, beads, knives, axes, guns, sugar, and salt.

[439]

161 **Population.**—According to the census made by the author in 1939, the *Carajá* number 1,510, divided as follows: *Carajá* proper, 795; *Javahé*, 650; *Shambioá*, 65. These figures should be contrasted with Castelnau's (1850–59) count in 1845 of 2,000 *Shambioá* in four villages, and his estimate of a total of 100,000 *Carajá*, and with Krause's (1911) estimate of 10,000 *Carajá* in 1908.

CULTURE

SUBSISTENCE ACTIVITIES

241 **Farming.**—Clearings are made in the thick forest along the watercourses. Gardens must be so located as to be accessible by canoe in the dry season and yet not flooded in the rainy season. The scarcity of such land results in some of the plots being several miles distant from the village. Proximity to fishing grounds is generally held to be more important. The work of clearing is begun in May at the beginning of the dry season. Maize

/28 cont./
black decorations are somewhat reminiscent of the decorations of the men. The clay spinning whorl (Fig. 225a) is provided on one surface with fine incising which is arranged in two concentric circles, with

Fig. 228 a and b. Small clay utensils for play.

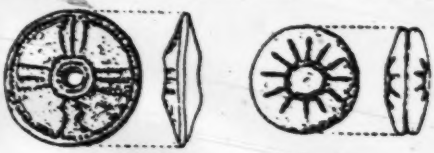

Fig. 225. Spinning whorl, a) of clay, b) of white earth.

Fig. 226 a-d. Tobacco pipes of clay.

Fig. 227 a-e. Decorated eating dishes, export goods.

four spokes divided up several times, in between. /29/ The spinning whorl made of white earth (Fig. 225b) has a circle cut into it on both sides, from which rays extend. These indentations are made red and black.

The decorations on the clay tobacco pipes and the clay bowls were probably taken over from the Brazilians.

I found clay tobacco pipes only in the villages near S. José. They were evidently taken over altogether, and with them the ornamentation as well, from the Brazilians. It is true that their form is now made by the Indians rather differently from the Brazilian form, with a wide base which is lacking in the Brazilian one (Fig. 226 a to d).

/29 cont./

531 415 [524] 439

Clay bowls, in export form and decorated with red paint, were also produced only in the uppermost villages and actually as export goods. The decorations are limited /Fig. 227 appears here/ mostly to the upper edge; only rarely do they extend farther down. Despite their simplicity, they have a very pleasing effect (Fig. 227 a to e /see p. 65/). Moreover, a crudely decorated play-bowl of the Karajá (Fig. 228a /see p. 65/) and a small clay bowl, likewise painted on the outer surface with red patterns, which comes from the Šavajé living with the southern horde of the Karajá (Fig. 228b /see p. 65/), were found.

000 /Appendices I, "Distribution of the Objects and Drawings among the Individual Tribes," II, "Index of the Figures and Patterns Drawn by the Same Persons," and III, "Systematic Index of the Objects Represented," pp. 30-31, have not been translated; see the foreign text./

/7 cont./

36 [648] Their northernmost settlement near S. Maria was attacked and completely destroyed in 1881 by the Kayapo of the left bank. Since then they have not ventured far beyond the northernmost tip of Bananal Island with their settlements. Their farthest excursions go below S. Maria to the rapids of Joncon (i.e., it is at an end).

• 439 They perform important services for the traffic on the river by felling wood for the steamers. As payment they receive axes and knives, which they on their part trade to other tribes, such as the [177] Yavahẽ and Tapirapé. Understandably, when steamboat transportation was established, care was taken from the first to stay on good terms with the savages. The merit for introducing this excellent relationship and maintaining it for 20 years belongs to the courageous commander of the steamer, Sebastião de Freitas, who served so well in exploring the Araguaia. It is thanks to his unselfish, kind work that perhaps /8/ nowhere else in Brazil are the relations between the native population and the settlers so good as here.

To be sure, for the Karayahi the contact with "civilization" [184] has not been without consequences. In comparison with the independent Šambioa, a certain lack of order and cleanliness in their villages and less care and taste in their artifacts are noticeable. On the other hand, a wealth of most interesting ethnological ob- [126] jects are still present among them. The most important pieces in the collection were acquired from them.

311 Their material position cannot be described as especially favorable. The lower riverbanks of their region are so exposed to floods that they can practice agriculture only to a limited extent. They [648] venture onto the higher left bank only temporarily, out of fear of their worst enemies, the Akuã and Kayapo.

13 [101] The third large Karaya horde is that of the Šambioa, about whom Castelnau brought back the first more detailed reports. [361] They possess four rather large villages between the Pau d'arco rapids [224] and the great Cachoeira de S. Miguel. Their hunting expeditions, however, extend beyond the Cachoeira grande, in former times up to the region of the Apinagẽs, near the present São Vincente, from [172] where increasing settlement has scared them away. The rock sculptures of the so-called Martirios Island between the Carreira

/8 cont./

131 172 comprida and Cachoeira grande are in any case the work of their ancestors. Since the first Araguaia travelers already mention these "inscriptions" as documents of great age, the Karaya must have lived in these regions at least since the sixteenth century (see pp. 91 ff.).

439 [162] Within the Šambioa region, where the river is no longer navigable for ships, there are no Brazilian settlements at present. The savages are therefore completely dependent on the barter trade with the few larger rowboats passing by four to six times annually or the small vessels which maintain communication with São Vincente. They deliver mainly hammocks, field produce, [648] and chickens to the travelers, but have otherwise kept their full 433 independence. Living under far better conditions of existence than the Karayahi, they stand, as far as agriculture is concerned, on a higher level than even the civilized river-dwellers.

648 They live in most bitter enmity with the Kayapo tribes of the left bank, the Kradahõ /Cradaho/, Ušikriṅ, and others. Many [727] abducted women and children of the latter are found in their villages. On the whole, however, they are well treated, the children even adopted into the tribe without further ado.

The relationship of the Šambioa to the settlers has not always been peaceful. Nevertheless, Castelnau was already able to substantiate that these Indians did not deserve the bad reputation which they had among the Goyans at the time. The main guilt for the misdeeds which occurred is in any case to be sought on the side of the foreigners.

609 Their behavior was decidedly hostile in the seventies when the notorious Chief Roco attacked travelers on several occasions and massacred them.

Today it is only the inhabitants of the second village who receive strangers with hostility. Women and children are taken to [411] safety, the warriors stand threateningly on the shore, armed with bows, spears, and clubs, and hardly condescend to barter. In the other villages our reception left little to be desired, once the fleeing women were successfully persuaded to return.

/10 cont./

302 The bristly or wavy black hair of both sexes is cut off straight above the eyebrows and hangs down in back over the neck. Dandies [301] wear a part about three centimeters wide up to the crown /Fig. 1 appears here/, let the short crown-hair stick up like a brush, and with cotton strings tie the part hanging down in back into a braid, at the roots of which the men sometimes tie a decoration of blue arara or black mutum /curassow/ feathers (ušiktamaru).

301 In the pierced ear-lobes both sexes wear sticks of cane 15-20 [304] centimeters long for everyday.

The plug in the lower lip (anʒōŏ) is used only by the men. It [814] consists of the light, flaky wood of the piuva tree and is either cut obliquely with a short point or runs out into a long, thin lamina hanging down on the chest (Fig. 2, b /see p. 18/).

Boys primarily wear, instead of this, small T-shaped pieces of shell (idžă) (Fig. 2, d /see p. 18/).

The most precious lip ornament, which is worn only on festive occasions, but otherwise is kept carefully wrapped in cotton, is a long, heavy, stone plug (manuterĕ) of hyaline or rose-colored quartz, the T-shaped end of which is stuck through the lower lip while the conical button hangs down (Fig. 2, a /see p. 18/). Of the four specimens in the collection the largest is 17.5 centimeters long.

301 /11/ These lip stones, of which only a few have reached
● 439 European collections, are not made by the Karaya themselves, but are bartered from the Tapirapé, the Tupi people on the like-[335] named left tributary of the Araguaia. The mountain chains of the left riverbank, such as the Serra dos Cayapos, are rich in this material. A Kayapo stone plug acquired in S. Maria is shorter and runs out to a tapered, blunt end (Fig. 2, c /see p. 18/).

304 Tattooing is limited to the tribal badge which both sexes
619 wear on their cheeks: a blue ring 10-15 millimeters in diameter (auʒamanurĕ) just under the lower edge of the orbit.

515 On the whole the Karaya are distinguished by scrupulous care
302 of the body. They bathe several times a day. Their hair is always carefully combed. All the hair on the face and body is [417] plucked out. Shears are now commonly used for hair cutting, [237] whereas formerly piranha teeth were used for this.

/13 cont./

231 825 Domestic animals. In a description of the Indian house its animal fellow-lodgers must not be passed over. A genuine Indian still-life is inconceivable without them. The naïve joy of primitive man in animals and their behavior is expressed in his care for them. He considers the animal as [181] [538] his equal. The feeling of solidarity, indeed, of relationship with the animal world, which expresses itself in tribal tales and a rich treasury of animal fables, is a principal characteristic trait of the Indian national-spirit. This at the same time explains the often stressed contradiction that the savage Indian, in spite of his astonishing ability to tame the wild, timid animals of his country, has never brought this to the actual breeding of domestic animals in our sense. The animals are captured young and reared, but only to please themselves, for entertainment, out of joy in associating with them, not in order to make them useful. Therefore they 235 are not mated. Even the domestic chicken, which the 171 Araguaia tribes have had for a long time in a domesticated [262] state and which multiplies in great numbers, is not, as a member of the household, /14/ used for food, nor are its [939] eggs (1). In recent times, however, it serves as a trade item

[13]

1. Im Thurn, Among the Indians of Guyana /Guia[illegible]/, p. 265, reports the same thing.

in the trade with the commercial travelers, who sell the poultry in the first settlements of the province of Pará at a great profit.

231 Of the imported domestic animals, dogs and cats are already widespread. On the other hand, the pig is absent, but, in contrast, it is raised and traded by preference by the Kayapo tribes.

235 825 A large Šambioa village is always at the same time a kind of menagerie. The bird kingdom is most noticeable. The largest and most colorful birds are made use of, at least insofar as they must give up their feathers for feather ornaments.

/14 cont./

Way of Life. Food and Its Preparation

433 Like most South American tribes, the Karaya are first of all fishermen, but, in addition, carry on a not insignificant agriculture.
226 [221] The principal season for fishing is the dry months from May to October, when the larger fish strive toward the deeper parts of the river, the so-called poços, which are formed in particular above the small rapids and the masses of rock projecting out here and there.

The fish kingdom of the Araguaia, in all of the middle course, already bears throughout the character of the fauna of Amazonas. The giant three-meter long pirarucú /arapaima/ (Sudis gigas) is common everywhere, as is the electric eel (Gymnotus electricus) and the thick-bodied pirarara (Phractocephalus discolor) armored with its strong shield of bone. The poços abound with cannibalistic piranhas; in the shallow places along the bank the no less feared thornback, buried in the sand, lies in wait for its prey.

[262] Prized as the tastiest fish are the blue-grey spotted pintado (Pimelodus sorubim), reaching up to two meters in length, the matrincham /Caracinidae/, the tucunaré (Cichla temensis), the trahira (Macrodon), and various species of the pacu (Myletes). Certain fish, particularly scaleless ones, are not pursued because of superstitious fear, and likewise the fresh-water dolphins, [225] present everywhere in great numbers. Tortoises and their delicious eggs, however, are hunted all the more zealously.

At high water, when the fish are no longer easy to get in the clay-yellow flood, the many lagoons along the river provide the most productive fishing places. They form large natural traps for the larger species, in which they can easily be isolated.

● [439] /15/ Whereas formerly the fish were killed almost exclusively with an arrow, angling is now used more and more, since hooks are imported in large quantities. In many places, however, angling and net fishing cannot be done because of the countless piranhas whose teeth cannot be withstood by any line or net.

/15 cont./

241 Cara tubers /Dioscorea/ are grown in large quantity, excellent quality, and in various species. Most commonly one sees the huge egg-shaped pé d'anta (Cara brasiliensis) with a white cut-surface, as well as a smaller one with an almost violet cut-surface.

222 [262] The wild food plants and fruits which the river forests and camp-woods supply constitute a desirable change. These are primarily palm fruits, such as the nuts of the uaguassú, the pineapple-like fruits of the buriti (Mauritia vinifera), and various small species of coconut; furthermore, the wild acaju tree, the jaboticaba, the pitanga /Surinam cherry/ the oily piquia (Caryocar brasiliense), various Bromeliaceae, and, finally, the finest fruit of the campos, the mangaba (Hancornia speciosa). One sees the latter, however, much more rarely than in the Xingu villages. The tree does not seem to be planted as it is there.

[262] It is noteworthy that the orange, which flourishes extremely well here, is not cultivated, although the Indians esteem it most highly. Only rarely do they undertake week-long journeys to the Brazilian settlements to trade for these fruits. A principal goal of such excursions is the site of the old, now abandoned mission and military post Chambioas, just above the rapids of S. Miguel, where rather large stands of this noble tree have maintained themselves. Cacao, too, was formerly obtained from there.

[239]

Still to be mentioned is the honey of the countless species of wild bees, the collecting of which presents no difficulties since the animals are entirely stingless. The black wax, which is stored in large, round, inch-thick disks, is used in Indian industry as a glue.

[237]

249 The only luxury item of the Karaya is tobacco (koti). It is a Nicotiniana, but not N. tabacum, of a mild quality. The dried leaves are stored (see p. 40) in large rectangular packages plaited out of palm-leaf strips and are pulverized between the hands for use. /16/ The fruit capsule of the jequitiba tree (Hymenaea sp.), filed smooth on the outside, serves as a pipe

276 824

/24 cont./

535 often bear rattles of Thevetia pods. Other belts are entirely made up of the latter (Pl. X /see p. 112/, 8-10).

Around the knee or ankle joints the dancer places bands from which strands ending in rattles and tufts of feathers hang down. They are held apart by a horizontal wooden stick and are sometimes covered with a thick layer of white down feathers (Pl. X, 4).

412 531

301 237 439

Fig. 9. Comb (1/4).

Necklaces in their original form are no longer seen. Pierced animal teeth and stones, shell disks, etc. have long been s[illegible] planted by glass beads imported in great quantities. The [illegible]e and black beads of the cheap "rosaries" widespread everyw[illegible]

415 531

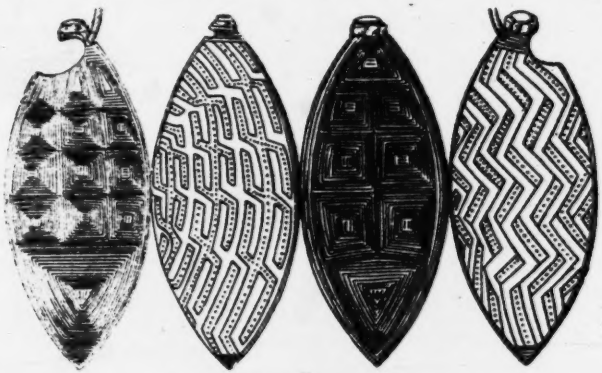

Fig. 10. Decorations on the gourd vessel of Pl. VIII /see p. /, 7 (1/4).

301 in Goyaz are the most prized, but they are strung in a manner corresponding to the national taste. A whole series of short strings goes around the neck as tightly as possible (cf. Pl. II /see p. 104/, 2; III /see p. 105/, 1). From the lowermost hangs a number of small chains which have small fruit shells or tufts of feathers at the ends.

/187 cont./

101 Their neighbors are therefore the following:

In the south, Kayapó and Bororo, the latter known to the Karajá only by name.

/188/ In the west on the Rio das Mortes, the Chavánte, in Karajá: klĭũzǎ́ (klĭlŏzǎ́, kŭlĭzǎ́); on the Rio Tapirapé, the Tapirapé, ũŏhũ̆; from Santa Anna northward, the Kayapó, klā̤ā̤ŭ̆.

In the east, on the upper Tocantins, the Cherénte, ĭnŏlā́tŭ̆; on the south end of Bananal, the so-called Canoeiros, tĭäbĕzǎ́; in the middle of Bananal, the Šavajé, šăwăjḗ, (ĭ)šā̆(n)dĭwăndŭ́.

In the north, the Šambioá: šămbĭŏǎ́.

Of the tribes with whom they were unacquainted, the dõbāĭ́ were mentioned on the Rio das Mortes in the east the ĭšăwŭndăhṓ.

648 The Karajá live on a war footing with all these tribes, except for the related Šavajé and Šambioá; they show great fear
● [439] of all of them. They formerly carried on trade with the Tapirapé, but for five or six years the two tribes have avoided each other as a result of a feud which flared up between them because of the
619 kidnapping of women by the Karajá. The Karajá show great re-
[162] spect even before the two tribes related to them. This is probably due to the fact that the Šavajé and Šambioá live in a few large villages, whereas the Karajá are scattered in many small settlements, and that they therefore, unaccustomed to great crowds of people, are afraid of the imposing number of armed men. Apparently, fear of other tribes is customary among the Indians generally.

162 The tribe of the Karajá is at present divided into two hordes:
361 The north horde lives from the northern end of Bananal
622 Island to the Rio das Mortes in the following 14 fixed villages (from north to south) (1): village of the chief Wălătắ, Crĭsŏtĕ,

1. By fixed villages I mean those that are again established in their particular district after each rainy season with the move to the river sandbanks again.

/190 cont./

175 167 [162] In 1772 José Machado meets Karajá, apparently on Bananal Island. In 1773 Fonseca visits the Karajá north of the southern tip of Bananal, they occupied nine villages with 9,000 inhabitants, three villages of which belonged to the Šavajé.

175 167 648 [164] [165] Transplantings to the south, into aldeamendos, took place from 1782 on. In this year 700 Karajá were transplanted to São José de Mossamedes near Goyaz, where they gradually perished. In 1786 Carretão was founded for Chavánte and Šavajé; most of the Indians succumbed to a measles epidemic, and the survivors were taken to Salinas in 1788, where they likewise gradually perished. [131] A removal of the Indians to the south near these "centers of civilization" did not take place at that time, however, for in 1792 Souza Villa Real, when he traveled downstream from the Rio Vermelho out of the Araguay, did not find any Indians as [484] far as the south end of Bananal. It was only at the beginning of the nineteenth century that the Karajá seem to have come to Salinas occasionally to visit their fellow tribesmen settled there. Thus, Silva Souza reports that between 1809 and /191/ 1812 they came to Salinas in order to submit peaceably, but that they moved back to their villages on the river as a result of a dispute; unfortunately, it is not said where these villages were. Cunha [439] [157] [172] Mattos reports in 1824 that the Karajá at times came to Salinas in order to buy iron implements there (1). These conditions

1. Rev. trim. 37, p. 363.

lasted for many decades, for Castelnau reports in 1844 that the Karajá occasionally came from the Araguaya to Salinas, in part to visit their fellow tribesmen, in part to plunder the plantations 175 13 36 of the Brazilians (2). He himself did not come across any villages

2. Vol. 1, pp. 372, 377, 383.

from the mouth of the Rio Crixá to the southern end of Bananal, but reports that the fixed settlements start only after the division, and, to be sure, on the western arm, and that up to the Rio das

/222 cont./

*301 painted and covered with rolls of wax, which apparently is supposed to represent such a painted lip-plug (Pl. 45, Ill. 7).

*301 184 This sequence was precisely observed everywhere. Only in the first village near Leopoldina were deviations found. Here the boy, as /223/ has just been mentioned, wore a wooden lamella, and later a wooden button, like his older brother and the [197] father. This family was civilized; they hesitated to walk around with long plugs in front of the Brazilians. On the whole, long [152] plugs are regarded as a sign of vanity, which is why older people, for example, can never wear them without making themselves ridiculous. The young people in the first village felt too superior to their savage fellow-tribesmen to wear such ridiculous things; hence they contented themselves with the dignified button of the old people.

*301 [324] The stone lip-plugs (mănă'dĕlĕ; mănă = stone, mănădĕrĕzo = rock crystal) are a special kind. They are cut to shape out of quartz, rock crystal, or /Ills. 61-63 appear here/ alabaster and then smoothed so that they look as though they were polished. The mouthpiece is greatly widened; the lower end runs out into a thickening (Ill. 62). Such lip plugs are worn only by unmarried men and only at special festivities. When they marry, they give it to a young relative. Since the stone lip-plugs are very thick, the lip hole must first be enlarged. This is done by the insertion of ever thicker wooden plugs. I saw only one specimen of such a lip plug, and, to be sure, in the south horde, but could not acquire it. I learned about a second specimen /224/ in the south [439] horde only long after we had left the village. They are not made by Karajá, but by the Tapirapé, with whom the Karajá of the [438] north horde barter for them. Those of the south horde again buy [435] them from those of the north horde, the price then allegedly amounting to a canoe, an ax, a pot, and a bush knife. In other words, they are very expensive and are therefore, and because they are very fragile, cautiously handled and kept carefully [48] wrapped in cloth. At the present time, when the Karajá have a feud with the Tapirapé and are therefore no longer able to buy stone lip-plugs, their value has naturally increased many times over.

/245 cont./

262 222 The eggs are longish and have an odor and taste somewhat resembling train oil. The tartaruga (kŏdūnĭ) and its eggs (kōdūnĭzĭ), [221] on the other hand, are eaten with great relish. /246/ For them, the Indians undertake distant boat journeys up the tributaries of the Araguaya in September to October, the laying period of this turtle, which deposits up to 160 round eggs in a nest. All the sandbanks are investigated and the often numerous nests emptied (on the Tapirapé I found up to four nests on small sandbanks). Thus, they gather quite enormous quantities of eggs. These are [251] either eaten raw or they are cooked and dried in the ashes and [239] then kept for a long time, so that the Indians take them home, [237] eat them later at leisure, or are able to sell them in the Brazilian towns (Santa Maria, Conceição) on trading expeditions, which [225] they undertake in September and October. The turtles themselves are taken by surprise while laying, or in shallow water they are caught with the hands by diving from boats or with iron bottom-tackle. The turtles are brought home alive in great 231 quantities from these expeditions and then eaten or sold. In order to be able to keep them for a longer time, cages are built out of twigs bent together at the top, which are stuck in the sand in a circle, providing shade for them. Here they are tethered and kept until they are consumed (Ill. 6). Small turtles are raised in the villages as a pastime.

262 222 Ostrich eggs (nâŭĕkĭĕzĭ) are eaten with great relish. The Indians empty the entire nest and take the eggs home with them in order to eat them cooked there.

222 Honey (bădĕrhõ) is a delicacy of which they are passionately fond. On their boat trips they observe the direction of flight of the wild bees (bēdĭ), designated by them as stingless, until, after a short time, they have discovered their nests high up in the crowns of trees. Quickly the tree is climbed and the nest cut down [415] with the bush knife or ax. The honey is then taken out down below; it is stored in bent pieces of bark or in gourd vessels. Bees nesting in hollow trees are smoked out and the honey is taken out with the hand. The often giant honeycombs are individually sucked out;

/249 cont./

227 The fishing implements are the following:

The fishing rod was originally unknown to the Indians.
[439] For the last few decades iron hooks (wāšĭ) have been bartered for in order to catch the piranha; one comes across them relatively rarely, however, because many are lost during the fishing, and an opportunity for barter only rarely presents itself (the fishing line is called wăšĭšă̆, the rod wăšĭdāŏ̆, and the bait wăšĭdŏ̆). On the other hand, the Indians seem to have already known harpoons (wŏ̆hūnă̆). They were used to catch pirarucú. Points and barbs consisted of red-deer bone; they were attached with resin. I no longer saw such implements as described; the present harpoons all had iron points.

The chief implements are bow and arrow, which, with the clear water, are handled with great skill and success. The fishing arrows (ūŏ̆hŭ̆) bear on the shaft a wooden point, on the front end of which a small point made of monkey bone (ŭ̆hĭdŏ̆ or dūrŏ̆lēnĭdĭ) is fastened by a thread lashing and resin, and the rear end of which projects laterally out of the lashing and thus forms a barb (Ill. 115). The arrows have an average length of 140-170 centimeters, the bows (wăšĭlūhă̆tĕ̆) one of approximately 200 centimeters (Ills. 110, 111).

226 Twice a day, forenoon and afternoon, the husbands and sons
[533] go out to fish and usually return with rich booty. On the way home they sing the song "that is sung every day." At specific spots the names of the fish caught are inserted, so that one may easily tell what kind of booty the fisherman is bringing back.

/250/ Besides this individual fishing, mass fishing is also
226 carried on. Nets knotted out of cotton string or bast are used
227 for this. Their measurements vary considerably, according to the purpose they serve. The net plaited out of embira (lōdĕ̆) shown in Ill. 3 on Plate 54 is ten centimeters wide and 10.35 meters long. Ill. 85 shows the knot-formation of a net for catching pirarucú (dāŏ̆lālŭ̆); it has a mesh extension of 25 centimeters with a thread strength of half a centimeter. The largest net that I saw lay on a sandbank on the Tapirapé near a lake inlet; it was six meters wide and 160 meters (!) long.

/254 cont./

252 centimeters wide (kōwŏ̄), which is worked from a tree trunk with
415 a wall three centimeters thick (Plate 40, Ill. 3). This pounded
[412] mass is placed on a sieve resting on a bowl or a pot. As such sieves, dome-shaped or hemispherical basket-sieves (wāĭlĭlĭsĭ̄) plaited of stout wickerwork are sometimes used, or flat, round sieve-plates (ŭĭtjŭ̄ ōdāmŏ̄dĭ̄; Plate 55, Ills. 2, 3). In Schischá, modern wares are already manufactured: sieves with a one-piece wooden edge five centimeters high and fine, patterned bast plaiting, which are made essentially for use by the Brazilians (ŭĭtjon(a); Plate 55, Ill. 4). On these sieves impurities are first picked out by hand, then the sieve is taken in the left hand, and, by a rapid beating on it from above with the right hand, the mass is sieved through it. Larger pieces remaining behind go back into the mortar, are again pounded, and then /255/ sieved again. When sufficient flour has been collected, it is put in the large cooking pot, water from a gourd water-container is poured on it, and the pot is put on the fire.

252 For stirring, long flat wooden spoons (hālădā̆ŏ) of tarumá
[412] wood are used (Ill. 93).

[251] Ehrenreich reports that the Indians dry this flour in flat pots, in other words, make farinha d'agua, which keeps for a long time; that they leach out the dried mass (puva· beero; according to my notes, bālo) several times and bake thick loaves out of it; that in small pots they make small roasted flat cakes (beiju: ibreʒeko) out of fresh roots. I neither saw nor heard anything about any of this.

Fruits that are still unripe are popularly taken and buried in the sand, where they ripen. Only then are they eaten.

252 Of spices only peppers (kāsĭ̆wērā̆; the round-seeded kind) are
263 used. They are grown in the plantings; the pods are pounded and mixed with water, and the roasted fish are dipped in this sauce.

263 Salt (ĭnā̆tŭ̄, nŏtàkànà) is lacking; only in Village 6 did they
[439] have bitter salt from the salt mine near São José, which was mixed with red earth and which they had bartered for in São José. Their
[261] hunger for salt seems to be extremely great; they are constantly begging for this condiment. But it is strange in this connection

/262 cont./

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1. (cont.)
the Indians near Rio de Janeiro, in Debret,
Voyage pittoresque et historique du Brésil
/Picturesque and historical journey to Brazil/,
Vol. 1, Paris, 1836, Plate 5.

411
868

Boys learn how to shoot arrows at an early age; I saw boys three to four years old handling small weapons. These weapons (see under "Toys" /see pp. 241 ff./) serve for practice in shooting. First they shoot toward a fixed goal, a soft, cylindrically shaped root about 30 centimeters high and ten centimeters thick, which is set in the sand (Ill. 109). Later the father proceeds to instruction with the movable target. The father rolls a bast ring along on the ground. The boy stands about ten meters away from the father and shoots from ever greater distances into the moving ring. The arrow must remain hanging in the bast. A little boy four years old succeeded in doing this on the third shot at a distance of two meters. This bast ring [(wă)šĭŏlōlŏ] is a ring-shaped bast pad three and a half centimeters thick and 18 1/2 centimeters in diameter, which is tightly wound with bast (Pl. 56, Ill. 2). Ehrenreich (Berlin 3960) designates it erroneously as a ring for carrying objects on the head, a practice which is not customary among the Karajá Indians. Later comes shooting at a flying target, with green gourds thrown into the air. Thus, the boys learn to shoot the bow at an early age and in general achieve great accuracy. There were Indians who made almost no missed shots while fishing; there were others, however, who were less skilled.

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[438]
[439]

The bow consists of palm wood. This wood (ŏlōtŏ, wŏālūŏ) allegedly grows only in the Tapirapé region. In any case, the Indians of the south horde, according to their unanimous testimony, obtain their bows or the material for them from the Karajá of the north horde or from the Tapirapé themselves. As a result, I was able to acquire bows only in the north horde; they were precious possessions in the south horde.

The bow is round, often slightly flattened on the front side, tapers /263/ /Ills. 109-112 appear here/ /264/ toward both ends,

[Text Continues on P. 182]

/278 cont./

9. Trade, Money, Measures.

484 The Karajá undertake their boat trips and land journeys almost entirely for the sake of fishing and for supplies of raw ma-
439 terials. Trade among themselves is carried on only during
438 occasional visits. For example, Pedro took huge quantities of urucú kernels along to his home (Village 2) from Village 19, as the reason he said that there was no urucú above the Rio Tapirapé; he probably meant none of the one particular, very highly appreciated kind providing red coloring. In the villages north of the Tapirapé mouth there was also urucú coloring matter pressed into rolls or into the form of flat cakes, which were sold in such packings. The south horde seems to be dependent on the north horde in various other respects: they buy or bought bow wood, red coloring for painting the pots, stones for stone axes, net coverings, stone lip-plugs, and tamed araras from the north horde, who either produce these themselves or acquire them from the Tapirapé or Šavajé.

From the Šavajé, who are regarded as very rich, they buy tobacco seedlings, manioc roots, arrows, net coverings, etc.

437 They carry on trade with the Brazilians, in part through the
439 Brazilian boats passing by, to whom they offer wax in large balls for calking their boats, as well as manioc, chickens, and fish, in exchange for tobacco, salt, farina, beads, and knives, and in part on great trading expeditions which they themselves undertake in August and September to Santa Maria and sometimes even to Conceição. For this purpose they collect beforehand on their fishing expeditions in the Rio Tapirapé and the many lakes of the river great quantities of turtles, turtle eggs, dried fish, etc., in order to exchange these in the large Brazilian towns for products of European civilization, /279/ especially iron tools, material for blankets for the cold nights, ornamental beads, tobacco, and salt.

437 There are no special standards of value in trade; simple
435 barter still takes place. Among themselves, however, they have fixed prices: a boat costs one ax or two ca,ybara teeth, etc.

/281 cont./

824 Most of all, the Indian exploits the vegetable kingdom, and here he has also gone over to the cultivation of plants useful to him. He already has at his disposal, of course, many useful wild plants in the way of trees (leaf trees, palms), shrubs, varieties of cane, etc.

Almost all parts of the plants are utilized, in each case, of course, only certain ones: wood, bark, leaves, stem, bast, [241] blossom. Of plants whose fruits are used technically, the following are planted: /282/ gourds, cotton, urucú. The gluing ma- [314] terials, with the exception of wax, are taken exclusively from plant resins.

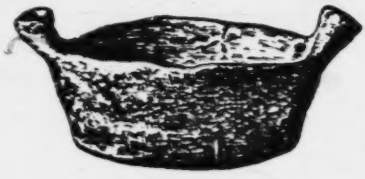
324 412 In the following, the processing and utilization of the individual raw materials will be described.

D. Stones are used above all as stone axes. The material for them is chiefly granular diabase or diorite. Nothing is known about how they are made. At the present time they serve only as striking stones for the preparation of bark cloth and for cracking nuts. Apparently they all come from the Rio Tapirapé, as well as from the mountains north of it, and are perhaps not even made by the Karajá themselves, but acquired from the Tapirapé through trade. In shape, there are flat axes and axes with a shaft groove (Ills. 100-102). As a nutcracker I found a stone apparatus consisting of stone base and small hammer, which, in shape, is quite peculiarly suited for this. Through long use a smooth, round hollow was produced in the slightly convex striking surface of the hammer (Ill. 99). Such stones are said to come from the cachoeira /cataract/ near St. Maria. The small stone knives which are used for tattooing are made anew each time out of the flint rubble of the sandbanks by splitting the flint with a stone or iron ax and using the sharpest splinters without any further treatment (Ill. 52b). Nothing is known about the making of the long stone lip plugs (Ill. 62). Allegedly they are struck into shape with [439] stones. The Karajá do not make them themselves, but barter for them with the Tapirapé.

/284 cont./

415 very pronounced in the pottery in the villages from Leopoldina
177 to São José. These villages furnish the Brazilians with cooking
[439] and eating vessels, so that in São José and Leopoldina one finds
[531] Indian vessels almost exclusively. They have already been adapted, however, to the taste of the Brazilians: the small eating dishes have the typical bowl-shape and on the edge bear a decoration in red color (Ill. 96). The water-cooling vessels, too, which the Indians in the villages mentioned make for the Brazilians, show the purely Brazilian type and red decoration.
[386] The red designs are made with an earth color. The red earth
[317] for this (zīzĕ, zĕ'ŭbūlĕ) comes from the Barreira do Veado and is taken along to São José and Schischá by the Indians of the north horde traveling south for arrow cane, in order to sell it to the Indians
[531] there. It is applied mixed with water. The true Indian vessels are undecorated.

172



Ill. 133.
Old clay-vessel.

I obtained in Schischá a most peculiar vessel, whose origin is unknown (Ill. 133). It is irregularly spotted dark red and black as a result of uneven firing; it is apparently made out of very crude clay and in a very primitive fashion. The two knobs on the edge, which are slightly hollowed out on top, are striking. The vessel was found several decades ago in the sand of a sandbank by Indians from Schischá on a journey downstream. The Indians themselves were unable to say where the vessel might come from.

415 I did not see anywhere the pot and bowl forms brought back by
114 Ehrenreich: shallow, round dishes (Berlin 3862), flat, round plates (3863 and 3864), flat, oval plates (3865), low elliptical double bowls with a dividing wall running lengthwise (3866), cylindrical pot with turned-down rim and bast hanging-band (3861), double conical pot with hanging band (3858), and clay spoons (3878).

/320 cont./

13. Political Conditions.

C 721 Wars seem to have taken place only because of the abduction of women, for it was always reported that the men of the foe were killed, but women and children were brought back to the C 648 village. The position of the Karajá with respect to their neighbors in this respect is the following: with Bororo and southern Kayapó they do not seem to come into contact. With Chavánte battles occurred in which the Karajá always had the greater losses. With the Šavajé of Bananal Island they are on friendly terms, whereas the Canoeiros, likewise on Bananal, are at present their most feared enemies. With the Tapirapé the C 648 Karajá formerly had friendly trade relations; the Karajá furnished [439] iron goods and in return obtained net coverings, bows, stone lip-plugs, food, araras, etc. The Karajá took advantage of the occasion of this trading on a sandbank in the Tapirapé River, far from the village, to lead off in the meantime women and children who were busy in the plantings. The Tapirapé did not know for a long time who was abducting their women. About six or seven years ago the Karajá had again abducted five or six women; on the way home, the latter fled, but the Karajá pursued them and killed all but one who came back to the Tapirapé and reported that the Karajá were the abducters of the women. When, in the following year, the Karajá again undertook their trade journey to the Tapirapé, the latter apparently agreed to the transaction, but then fell upon the Karajá and killed several men. Since then all communication between the two tribes has ceased; the Karajá no longer journey to the trading place and the Tapirapé, too, have moved farther upstream.

C 648 With the northern Kayapó the Karajá likewise seem to live on a hostile footing. I did not hear any reports about former combats. But the antagonistic, rejecting attitude that my Karajá displayed toward the mission Kayapó in Conceição was striking.

T /403 cont./
175 are Karajá who are so named because they live on the lower course
114 of the Tapirapé. On page 174 he mentions a village of the /404/
Tapirapé on the Fecho de Tapirapé and a village of the Karajá
five days upward in the Tapirapé River; the one village consists
of one house with ten occupants, the other, one house with 20 (p.
186). Here, therefore, the Tapirapé are regarded as a horde of
the Karajá who live at the mouth of the river itself, and in the
river, five days above the mouth, there is another village of
Karajá! Coudreau was here the end of April; he encountered
only a few places of the Karajá. His other reports are likewise
very confused and uncertain, so that one may trace these, too,
C back to misunderstood information given by the Karajá.
115 2. Information obtained /Erkundetes/. The information that
T I obtained from the Karajá was the following:
13 The Tapirapé (in Karajá: ũõhũ) live six to nine days' journey
[101] in a boat above the emptying of the river into the Araguaya. From
the landing place one is obliged to walk another half day, accord-
T ing to others two days, over the campo in order to reach their vil-
105 lages. They occupy three villages, and, to be sure, one large one
and two smaller ones (according to one isolated statement, four
villages). The men wear penis cuffs plaited out of palm leaves.
Both sexes wear the hair hanging down to the small of the back.
The men wear long lip-plugs of (reddish?) stone. Ear plugs are also
customary. Their ornaments are similar to those of the Karajá.
Tattooing occurs among the married women: they cut vertical
lines into their chins and one line on either side of the corners of
their mouths, obliquely downward; these lines are colored black.
They obtain their food primarily by cultivating manioc; since they
C are very industrious, they cultivate large quantities. They are
[879] therefore considered rich by the Karajá. Of animals they keep dogs
and, above all, araras, which the Karajá buy from them. Their
weapons are bows and arrows, clubs, spears, and spear throwers.
C They know how to work with cotton. They wind the spun threads
T into big balls, like those of the Karajá. The Karajá like to buy
[439] their large, firmly plaited, cotton net coverings with a wide, black
center stripe.

T 105 C [197] C 648 [439] C [721] C [727] C 162 T [142] T 304 302 C 439 126 T 303 T 283 T 411

/404 cont./ center stripe. Their women also make pottery. Their language differs from that of the Karajá; the two peoples do not understand each other. The relationship between the Karajá and the Tapirapé seems to have been peaceful in former times. With iron goods the Karajá bartered for net coverings, bows, araras, stone lip-plugs, food, etc. The meeting place was a sandbank in the Rio Tapirapé, opposite a high steep bank, slightly below the place to which the Karajá ordinarily extend their annual fishing expeditions. The Karajá had taken advantage of this opportunity to abduct in secret the women and children in the places stripped of men. As has been mentioned above (p. 263), because of this there was finally a hostile clash between the two tribes about six or seven years ago; since then the Karajá avoid this spot, they no longer go so far upstream. The abducted women are used by the Karajá as slave women for work, as well as village prostitutes; the children are taken into the tribe. /Pl. 69 appears here./ /405/ /Ills. 262 and 263 appear here./

3. Observations in Karajá villages. In the villages of the Karajá I saw a total of two women, three maidens, and two boys from the Tapirapé. They were smaller and more delicate than /Ills. 264 and 265 appear here/ the Karajá. The women wore black incised tattooing on the chins and on the cheeks (see Ill. 262 a, b /see p. 339/). One girl was painted red on the face (Ill. 263).

In the way of objects that were supposed to come from the Tapirapé, I acquired the following in the Karajá villages near the Tapirapé mouth: the comb (kŭwáă; Pl. 69, Ill. 1); its method of construction is identical with that of the Karajá, but the very regular plaiting pattern is different from that of the Karajá. The spindle (Ill. 264) with the double-conical wax whorl does not differ in any way from those of the Karajá.

The club (ĭwŭrá, Ill. 265) is identical in form with the round clubs of the Karajá. One side of the front half of the club is grooved and flanked on either side by a raised strip which bears groups of cross-lines. The cylinder on the handle has three grooves; the handle is grooved and likewise has two strips with cross-lines and depressions.

[TEXT CONTINUES ON P. 339]

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262

"Monkey."
"What are you going to do with him?"
"Eat him—me like him much." [224]
"How did you catch him?"
"Me shoot him with an arrow."

Continuing our voyage at dawn, we encountered before 609
noon another cluster of Karayá huts on a sand island. Before [361]
we could get to shore, the natives ran out into the water [439]
to meet us, and surrounding our canoes, eagerly offered us balls of black beeswax and pottery in trade for what they supposed we had. It was amusing to see a Karayá couple trying to make a trade with our only woman voyager for a man's gauze undershirt. I could not but think of how the poor savage would appear with only that shirt on. He wanted it, [291] he motioned, to shield himself from the cold at night, and from the flies by day.

We passed the next night at another group of huts on [361] the sand. These Karayá who were very cordial, were expecting us for the news of our approach had preceded us; so they gave us a royal welcome. The *mayor of the city*— [622] the chief of the local horde—appeared arrayed in a complete [292] suit of civilian's clothes, consisting of white linen trousers and vest, black coat and hat. These he wore merely as decorations, not as a covering, for these people consider themselves fully and properly dressed without any such apparel. It was a remarkable sight indeed to us to descry in the gloaming, as we approached the land, what appeared to be a well-dressed representative of advanced civilization entirely alone in a remote, howling wilderness, surrounded by nude and painted savages. He had obtained these garments somewhere from a trading boat. We were escorted in state to a large hut [526] where were assembled all the human inhabitants of the island; and after the reception, we witnessed the wrestling game of which the Karayá are very fond, which will be described fully in future pages.

The same night, as I was sleeping soundly in the open 123 air in my hammock, which was swung between two stakes

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not afflicted. Therefore, they have hidden their villages far away from the slimy trail of the only "civilization" they know, and do not wish to reveal their location. But they, too, well know the great superiority of steel implements over their stone utensils, so desire to obtain them, which they do indirectly through the Karayáhy. They are not unwise in their generation. They do not desire to receive, in its entirety, the "civilization" available to them, for it has been demonstrated to them that its evils outweigh its blessings. Therefore they try to catspaw civilization's good things and leave its evil things. What a pity it is that a civilization, which is the best fruit of the Gospel of Christ, should not have reached the Karayá!

The Sambiõa live in much larger, cleaner, and more orderly villages than the Karayáhy, and are better fed. They also build better huts than the Karayáhy, and arrange them in regular streets. They have four large villages, located between Pau de Arco and the falls of S. Miguel. They trade hammocks, vegetables, fruits, fowls, and other produce for such articles made by civilized men as they desire. As regards agriculture, they are but little behind the semi-barbarous Brazilians of the far interior. They have many slaves, which are women and children stolen from other tribes with whom they were at war.

Only the inhabitants of the second Sambiõa village are hostile to strangers. When such appear at their port, the women and children are sent to a safe place, while the warriors, fully armed, assemble at the water's edge and assume a threatening attitude. It is necessary to be cautious in approaching them, though they dare not attack a large canoe full of men armed with repeating rifles. They greatly fear these weapons, believing that the rifleman can continue to fire indefinitely without reloading. The villages are always situated distant from the landing-place; and though they will allow the traveler to visit them, he must be on his guard.

The reception at the landing is interesting and exciting. The naked, bronze-bodied men are assembled in force. Many

6:Cook M-3,4 (ca. 1900) 1909
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crown, leaving it two inches long and standing erect, pompadour fashion; while the back hair is braided neatly in a single braid, with a bunch of brilliant feathers fastened at the point, or it may be folded up in three or four folds and tied at the base of the head with a cotton string, to which is secured a bunch of long, bright feathers.

The ears of both sexes are pierced in infancy, and they wear in them a reed six or eight inches in length and as large as a lead pencil, the greater length of which protudes toward the front and terminates in a bit of shell set in a rosette of crimson feathers.

The males, and they only, have the lower lip bored. This is done in childhood, and is probably the initiation ceremony into the rights of citizenship or membership in the tribe, just as a civilian is initiated into a lodge, or a child of Roman Catholic parents ceases to be a "pagan" and becomes a "christian" by reason of the baptismal ceremony. A plug, or spíle of piuva wood is inserted into this opening in the lip, which is made larger and larger as the individual grows, until it will admit the thumb. The elderly men who have ceased to care much for display, usually wear nothing in the lip but a plug, cut off short; but the "smart" young men wear an ornament some eight inches in length, flattened like a blade just below the lip. The small boys wear a flat piece of shell an inch or two long, and in the form of a T, the cross-bar of the T holding the ornament in position. A much prized lip ornament, which is worn only on festal occasions, and at other times kept wrapped in cotton and securely laid away, is a long, heavy piece of rose-colored quartz. The lip end of this also is T, or dagger-shaped, so that it may not fall out. It is seven inches in length, and conical at the lower end. The Karayá do not make these, but get them in trade from the Tupý. This ornament is, of course, very heavy, and one wonders how it is possible to wear it; for even the lightest of these lip ornaments cause the lip to hang down in a very ugly fashion. To drink when the plug is out, the opening must be closed with the fingers.

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Brazil.

Both sexes have a blue ring tattooed under the eye, forming a deep ugly scar, which is the special distinguishing mark of the tribe. 304 619

The Karayá take good care of the body, bathing many times each day—though this is more to cool and refresh themselves, and for sport—keep the hair well combed, and pull out the sparse beard. They formerly used the teeth of the piránha fish as a kind of saw with which to cut the hair, but they now have scissors. 515 302 412 237

As already stated, the men wear no clothing, or covering whatever. The sash, or apron, worn by the women, is made of the inner bark of the jangáda tree. It is prepared for use by first soaking it a day or two in water, then pounding it with flat stones, and finally drying it. When the wearer of this primitive apron sits, she passes it back between the limbs and sits upon it. Besides this costume, both sexes wear various armlets, wristlets and leglets, as ornaments, which are peculiar to each division of the tribe. Soon after birth, the child's wrists and legs below the knees, are adorned with broad bands made by weaving together cotton cordage on the limbs themselves; while a black cotton band girts the body as a bandage. When the infant is a few months old, these articles are removed, and broad cotton wristlets, leglets and anklets are woven on the limbs, a tassel of cotton cords being attached to the leglets. The boys wear the leglets, or garterlets, until the lip is pierced, while the girls wear them until married. The wristlets worn by adults, cover nearly the whole forearm. They are not put aside until after marriage, and many females wear them until the first child is born. When one of the couple dies, the survivor puts the wristlets on again. This custom has come down from the ancients. As the wristlets and leglets are usually woven on the limbs themselves, they cannot be removed without being cut off. For this reason, they are never removed, nor washed until finally thrown aside. But I found the Karayá quite ready to cut these articles off and give them to me in exchange for some articles I had which took their fancy. 291 [287] 301 [184] [283] [286] [437] [439]

6:Cook M-3,4 (ca. 1900) 1909
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eyes from the strong reflection of the sun on the sand-bars. When trading with travelers, they are eager to get blue or smoked glasses, or goggles.

The Karayá live in a more advanced state than do some of the other tribes of the Amazon basin, especially the rough, nomadic peoples, who exist in small groups of a few families. They prefer to live in large groups containing hundreds of individuals, and in permanent habitations, constituting fixed villages or encampments. True, the Karayá living near San José, rove about somewhat in small parties during the dry season; but farther down the Araguaya, the encampments are more permanent and populous, numbering one hundred fifty to two hundred souls. During the rainless season when the river is low, they live on the sandy river bottoms, called *praias*. Here they set up their easily portable huts, in order to be convenient to their canoes and to the fishing grounds, and also to be more free from troublesome insects.

The *villages* of the Karayáhy division, in common with those of all other primitive peoples, are merely clusters or groups of huts, huddled together in complete disorder. Each hut is constructed by planting in the sand, fifteen or twenty feet apart, two parallel rows of saplings, then bending over each pair of opposites and tying them together. To these ribs are bound bamboo rods in a horizontal position, *sipo*—creepers—being used as cordage; and upright poles are planted at the gables. Over this frame-work is bound the skin, or covering, which consists of giant, feather-like palm-branches. Sometimes plates, resting on forked posts, are used to further strengthen the frame. This dwelling, when completed, is shaped like the bottom of an inverted barge, and looks like a very squatty, ancient haystack, with a hole—the door—eaten in one end by cattle.

Garbage, such as watermelon rinds, pumpkin skins, green corn cobs, and other fruit and vegetable refuse, is dumped just outside the hut. Here, the mass festers and stinks in the fierce rays of a tropical sun, and attracts swarms of insects, especially sand flies, that torment the nude savages

6:Cook M-3,4 (ca. 1900) 1909
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feathers on hand, they can replace worn-out pieces at any moment. Many of these ornaments are beautiful. One, made of white feathers and secured around the head as a band, looks like a halo encircling the head when seen from a distance when the wind is blowing. These ornaments are worn principally on festal occasions, or when visitors are present. Three styles of a peculiar feather hood are also made. The foundation is a net hood of three different sized meshes, one of which is very closely woven. The stems of the feathers are worked in between the meshes. This is worn at the dance festival.

The ear and arm ornaments have already been described. A dancing belt is made of strong black and white braiding embellished with tassels of beautiful feathers with shell rattles. The legs and ankles of the dancers are also decorated with feather tassels and shell rattles. Sometimes the savages "tar and feather" themselves, besmearing the body with gum, then putting on a thick layer of white down. In former times they wore necklaces of animal teeth, bones, and shell discs. But these have now been replaced by the glass beads obtained in trade.

The Karayá are very fond of black and white beads, and may often be seen wearing a number of strings around the neck, to the lowest one of which is attached little chains terminating in fruit shells, or tiny bunches of feathers.

The only, though much used, article of toilet of the Karayá is the comb, which is made in various sizes, the largest being fourteen inches wide and of equal length. The teeth are flat, slender pieces of palm wood or taquara, which are secured between two small blocks of wood. The spacing between the teeth is made by passing yarn between them. This comb is ornamented with small tassels of bright feathers.

The ornamental work of the Karayá consists of patterns of zig-zag lines, crosses, or lizard-shaped forms, dots, diamond shapes, and peculiar broken, irregular lines; while squares and triangles occur only to fill out, and circles are entirely wanting. The patterns seem to be chosen at random, nevertheless

Brazil.

The patterns seem to be chosen at random, nevertheless
532 the artificers have clear ideas of what they wish to make. These designs are an attempt to represent the forms of natural objects about them. For example, the colored markings on the canoe, represent fish; so also the feather mosaic work. The wasp, or hornets' nest is represented in the decoration of combs; and figures of bats with outstretched wings, and snakes, are also made. The tribes of the Xingú river and some others make drawings of men and animals in the sand.

It is difficult for a Karayá to sketch anything with a lead-
[327] pencil. They do very little wood-carving. The most important work of art among them is the fashioning of human forms
● [439] with wax or clay. Figures, apparently children's dolls, are offered in trade to travelers in large numbers. The execution of this work shows that they have ideas of form, and that they observe nature. Their best pieces are as well made as those of the old American civilization. The lower extremities of the human form, though, are made too large and out of proportion with the rest of the body. But the face is natural with no trace of hideousness.

534 About the only instrument of *music* possessed by the Karayá, is a sort of trumpet, called by the civilized Brazilians a *buzzina*. It is, in truth, a kind of combination of the flute and drum. The flute part is a section of a bamboo or taquara cane, eighteen inches in length, with the mouth-piece, of course, in the side. To the outer end of this base flute is glued, with wax, the neck of a large, bottle-shaped gourd-shell, six inches in diameter, in the big end of which a large opening is made. Of course, a tune cannot be played on this uncouth instrument, for but one note can be produced with it. But these nature folk seem well pleased with this one roaring, booming note, for, like all savages, their musical tastes appear quite satisfied with hideous, discordant sounds and charivari noises.

000 As previously mentioned, the primitive peoples of South America, and indeed, of every other part of the world, have been degraded both morally and socially wherever they have come under the influence of the civilized races, excepting